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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Miaochen Wu, Xiangdong Zhang, Angelos Alexanian and Wei Ye

Application No.: 10/010,063

Group: 2632

Filed: November 13, 2001

Examiner:

For: FREQUENCY ACQUISITION AND LOCKING DETECTION
CIRCUIT FOR PHASE LOCK LOOP



CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>2/6/02</u>	<u>Pamela Sarno</u>
Date	Signature
<u>PAMELA SARNO</u>	
Typed or printed name of person signing certificate	

COPY OF PAPERS
ORIGINALLY FILED

REPLY TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Box Missing Parts
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In reply to the Notice to File Missing Parts dated January 3, 2002, the following documents and fees are being submitted for filing in the captioned application. A copy of the Notice is attached.

☒ **EXECUTED DECLARATION FOR PATENT APPLICATION**

(Separate transmittal letter and postcard not required)

☒ **POWER OF ATTORNEY DOCUMENT**

☐ **GRANTED BY INVENTOR(S)**

☒ **GRANTED BY ASSIGNEE, including Statement under 37 C.F.R. 3.73(b)**

(Separate transmittal letter and postcard not required)

☐ **PRELIMINARY AMENDMENT**

(Separate transmittal letter and postcard not required)

☒ **FILING FEE - with Fee Transmittal for Patent Applications in duplicate**

Fee calculations based on:

☒ Claims as originally filed

☐ Claims upon entry of the Preliminary Amendment filed [herewith] [with the application]

(Separate transmittal letter and postcard not required)

20020205 09:23:00

☒ **SURCHARGE** - surcharge fee of \$130.

(Separate transmittal letter and postcard not required)

☐ **SEQUENCE LISTING** - Filed concurrently and is attached

(Separate transmittal letter and postcard required)

☒ **SUBSTITUTE DRAWINGS**

☒ 9 Sheets of substitute drawings consisting of Figs. 1 - 8B are enclosed

(Separate transmittal letter and postcard not required)

☐ **PETITION FOR EXTENSION OF TIME**

☐ Applicant hereby petitions to extend the time to respond to the Notice to File Missing Parts dated [] for [] month(s) from [] to []
The appropriate fee of \$[] is included in the enclosed check

☐ A [] month extension of time to respond to the Notice to File Missing Parts dated [] was filed on [] with payment of a \$[] fee

☐ Applicant hereby petitions for an additional [] month extension of time to respond to the Notice to File Missing Parts. The appropriate fee of \$[] is included in the enclosed check

(Separate Petition for Extension of Time and postcard not required)

☐ **REQUEST FOR CORRECTED FILING RECEIPT** - Filed concurrently and is attached

(Separate transmittal letter and postcard required)

☐ **STATEMENT CLAIMING SMALL ENTITY STATUS**

☐ Was filed on []

☐ Is enclosed herewith

(Separate transmittal letter and postcard not required)

☐ In view of the small entity status of the captioned application, we hereby request a reimbursement of 50% of the filing fees in the amount of \$[] which were paid on [] to be deposited in Deposit Account No. 08-0380

The fees required for filing the indicated documents are enclosed in the form of a check in the total amount of \$ 1098. Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Caroline M. Fleming
Caroline M. Fleming, Esq.
Registration No.: 45,566
Tel.: (978) 341-0036
Fax: (978) 341-0136

Concord, Massachusetts 01742-9133

Date: 2/6/2

10010063 "080508"

FEB 25 2002

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

TRANSMITTAL FOR PATENT APPLICATIONS	Attorney Docket Number	3070.1008-000
	Application Number	10/010,063
	First Named Inventor	Miaochen Wu

CLAIM CALCULATION (includes any preliminary amendment)

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 CFR 1.16(c) or (j))	28	- 20* =	8	x \$ 18 =	\$ 144
INDEPENDENT CLAIMS (37 CFR 1.16(b) or (i))	4	- 3** =	1	x \$ 84 =	\$ 84
MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))				+ \$ 280 =	\$
				BASIC FEE (37 CFR 1.16(a) or (h))	\$ 740
				Total of above Calculations =	\$ 968
				Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27, 1.28) =	\$
				TOTAL =	\$ 968
				Surcharge - Late Filing of Declaration or Filing Fees (37 C.F.R. 1.16(e)) =	\$ 130
				Petition for Extension of Time Fee (37 C.F.R. 1.17) =	\$
				Assignment Recordation Fee = (only when filed with application)	\$
				TOTAL =	\$ 1098

* Reissue claims in excess of 20 and over original patent
 ** Reissue independent claims over original patent

1. Small entity status:

- a. ☐ A small entity statement is enclosed.
- b. ☐ A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.
- c. ☐ Is no longer claimed.

2. ☒ A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

3. ☒ A check is enclosed for \$1098. ☐ Please charge \$[] to Deposit Account No. 08-0380.

4. ☐ Other: _____

Signature	<i>Caroline M. Fleming</i>	Date	2/6/2
Submitted by Typed or Printed Name	Caroline M. Fleming, Esq.	Reg. Number	45,566



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/010,063	11/13/2001	Miaochen Wu	3070.1008-000

CONFIRMATION NO. 2756

FORMALITIES LETTER



OC000000007261353

Leo R. Reynolds, Esq.
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
530 Virginia Road
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Concord, MA 01742-9133



Date Mailed: 01/03/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

02/28/2002 HDEMSS1 00000035 10010063

FILED UNDER 37 CFR 1.53(b)

01 FC:101 740.00 OP
02 FC:102 84.00 OP
03 FC:103 144.00 OP
04 FC:105 130.00 OP

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- Total additional claim fee(s) for this application is \$228.
 - \$144 for 8 total claims over 20.
 - \$84 for 1 independent claims over 3.
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1098.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

sector \$ #3

- Drawings must be reasonably free from erasures and must be free from alterations, overwritings, interlineations, folds, and copy marks.

A copy of this notice MUST be returned with the reply.

DW

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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